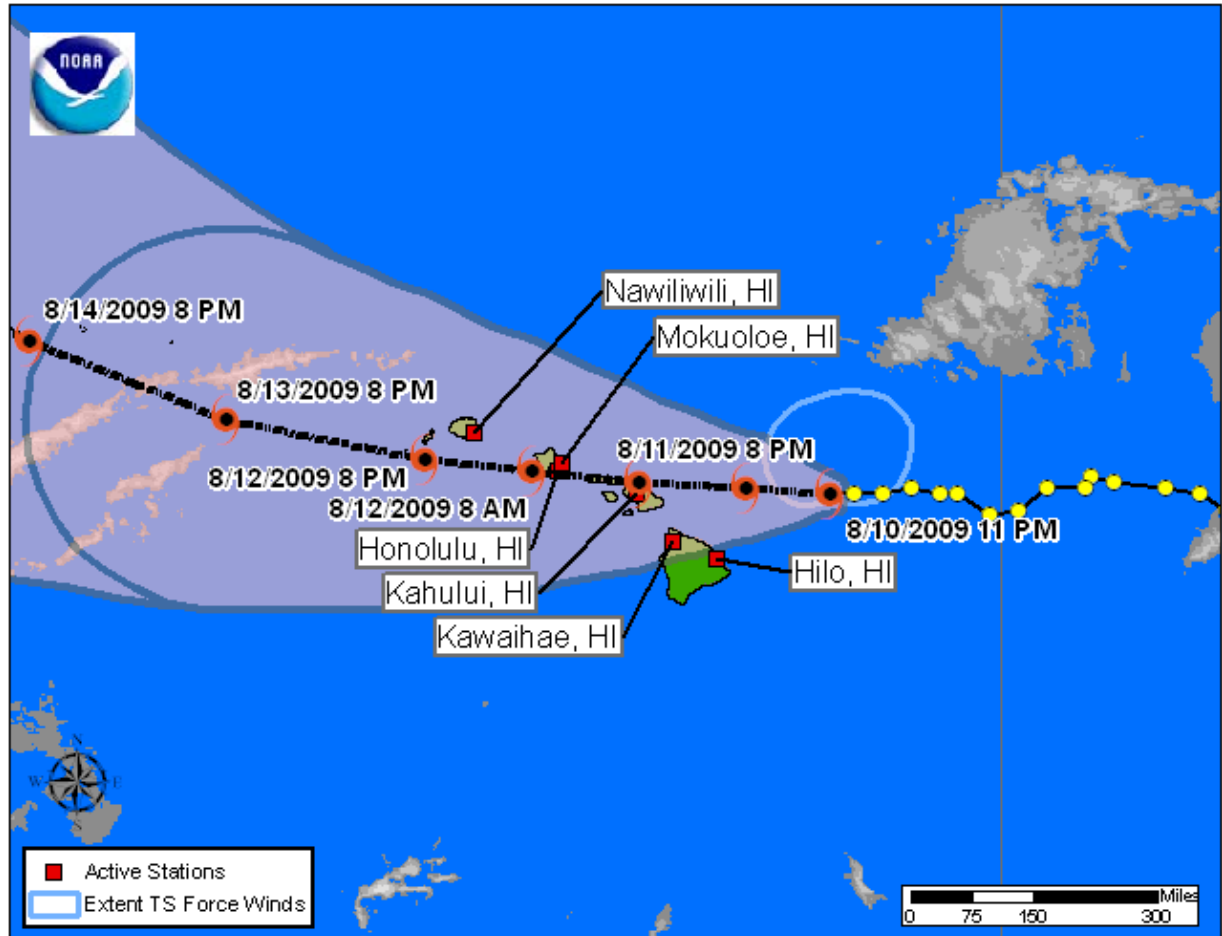




Tropical Storm FELICIA QuickLook
Posted: 00:00 HST 08/11/2009

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/11/2009 00:00 HST, water levels around the Hawaiian Islands range from 0 to 0.5 feet above predictions. Barometric pressure is gradually falling across the region. Winds are generally between 5 and 20 kts with some gusts to 30 kts at Hilo, HI.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Hilo, HI: Next predicted high tide is 1.86 ft (0.57 m) at 08/11/2009 06:42 HST.

Kawaihae, HI: Next predicted high tide is 1.67 ft (0.51 m) at 08/11/2009 07:57 HST.

Kahului, HI: Next predicted high tide is 1.67 ft (0.51 m) at 08/11/2009 05:48 HST.

Mokuoloe, HI: Next predicted high tide is 1.43 ft (0.44 m) at 08/11/2009 06:12 HST.

Honolulu, HI: Next predicted high tide is 1.55 ft (0.47 m) at 08/11/2009 08:06 HST.

Nawiliwili, HI: Next predicted high tide is 1.41 ft (0.43 m) at 08/11/2009 07:48 HST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM FELICIA ADVISORY NUMBER 31

NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI

EP082009 1100 PM HST MON AUG 10 2009

A TROPICAL STORM WATCH REMAINS IN EFFECT FOR OAHU AND FOR ALL OF MAUI COUNTY WHICH INCLUDES THE ISLANDS OF MAUI KAHOO LAWE LANAI AND MOLOKAI. A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA IN THIS CASE WITHIN THE NEXT 24 HOURS.

AT 1100 PM HST THE CENTER OF TROPICAL STORM FELICIA WAS LOCATED ABOUT 160 MILES EAST-NORTHEAST OF HILO HAWAII AND ABOUT 315 MILES EAST OF HONOLULU HAWAII.

FELICIA IS MOVING TOWARD THE WEST NEAR 10 MPH AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THIS TRACK THE CENTER OF FELICIA IS EXPECTED TO REACH THE HAWAIIAN ISLANDS ON TUESDAY WITH RAINBANDS IN ADVANCE OF THE CENTER REACHING THE ISLANDS OVERNIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 40 MPH WITH HIGHER GUSTS. FELICIA IS EXPECTED TO WEAKEN OVER THE NEXT 48 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1007 MB...29.74 INCHES.

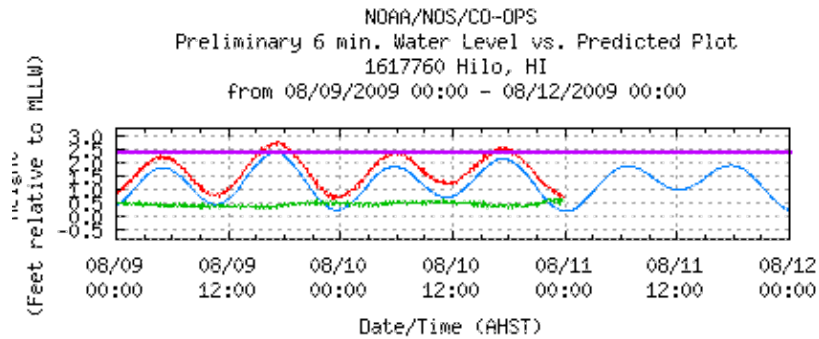
A LARGE SWELL GENERATED BY FELICIA HAS REACHED THE MAIN HAWAIIAN ISLANDS. THE SWELL WILL BUILD ACROSS THE STATE THROUGH TUESDAY. ALSO REGARDLESS OF THE INTENSITY OF FELICIA WHEN IT REACHES THE HAWAIIAN ISLANDS...LOCALLY HEAVY RAINFALL MAY OCCUR AND FLASH FLOODING REMAINS A POSSIBILITY.

FORECASTER CRAIG

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo - Water Level](#), [Hilo - Winds](#), [Hilo - Barometric](#), [Hilo - Air/Water Temp](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kawaihae - Air/Water Temp](#), [Kahului - Water Level](#), [Kahului - Winds](#), [Kahului - Barometric](#), [Kahului - Air/Water Temp](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Mokuoloe - Air/Water Temp](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Honolulu - Air/Water Temp](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#), [Nawiliwili - Air/Water Temp](#),

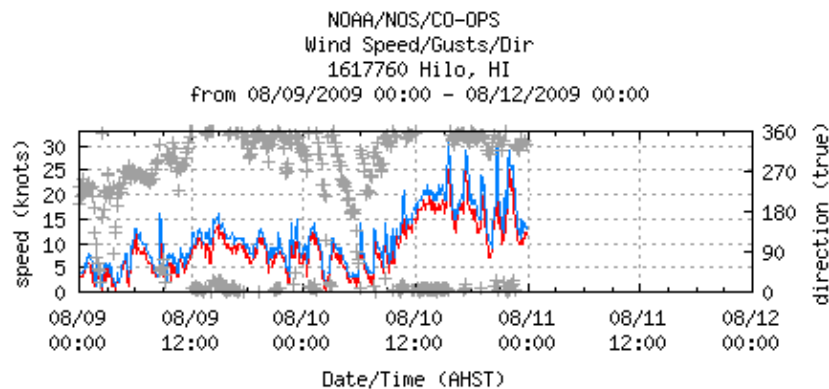
Hilo, HI - Station Map [Return to List](#)



Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/10/2009 23:48 (AHST)
Relative to **MLLW**: **Observed: 0.73 ft. Predicted: 0.19 ft. Residual: 0.54 ft.**
Historical Maximum Water Level: 01/20/1981, 1.37 ft. above **MHHW**

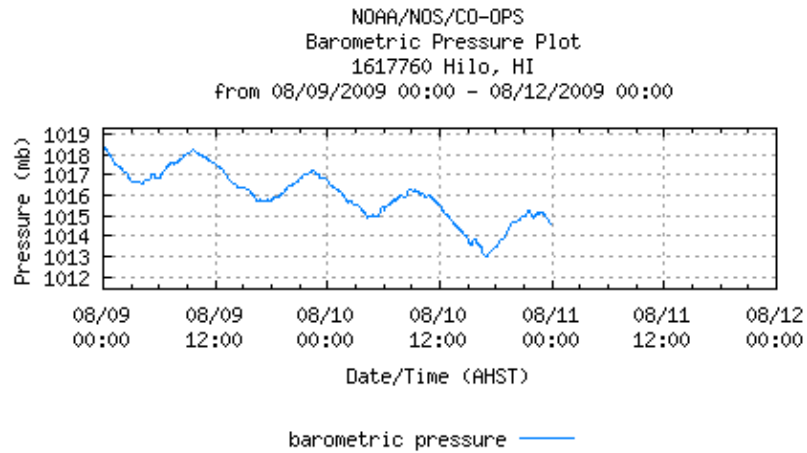
Hilo, HI - Station Map [Return to List](#)



speed — gusts — direction +

Last Observed Sample: 08/10/2009 23:48 (AHST)
Wind Speed: 12 knots Gusts: 13 knots Direction: 332° T

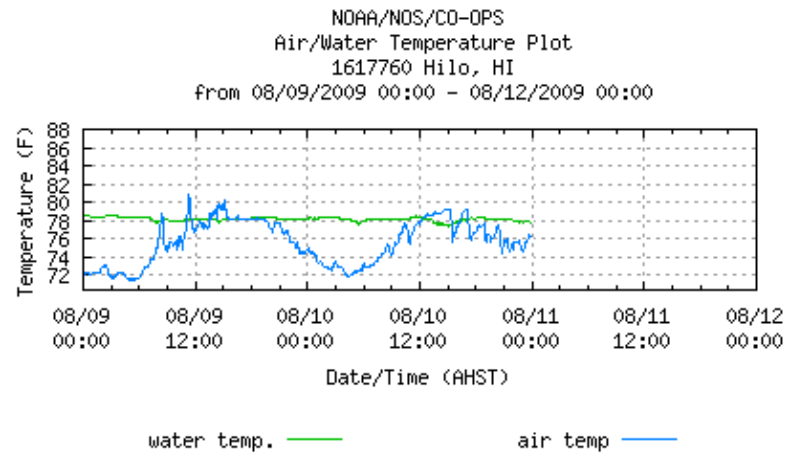
Hilo, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Barometric Pressure: 1014.6 mb

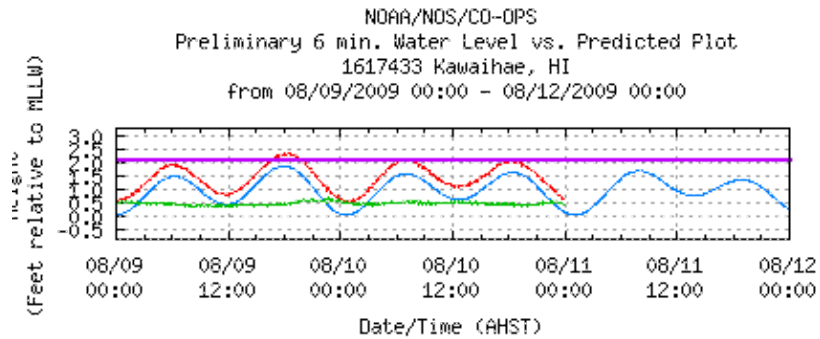
Hilo, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Water Temperature: 77.7° F Air Temperature: 76.3° F

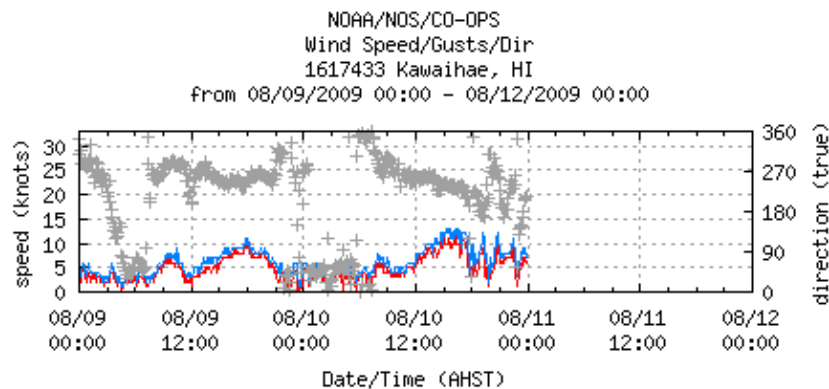
Kawaihae, HI - Station Map [Return to List](#)



Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/10/2009 23:48 (AHST)
Relative to **MLLW**: **Observed: 0.59 ft. Predicted: 0.17 ft. Residual: 0.42 ft.**
Historical Maximum Water Level: n/a

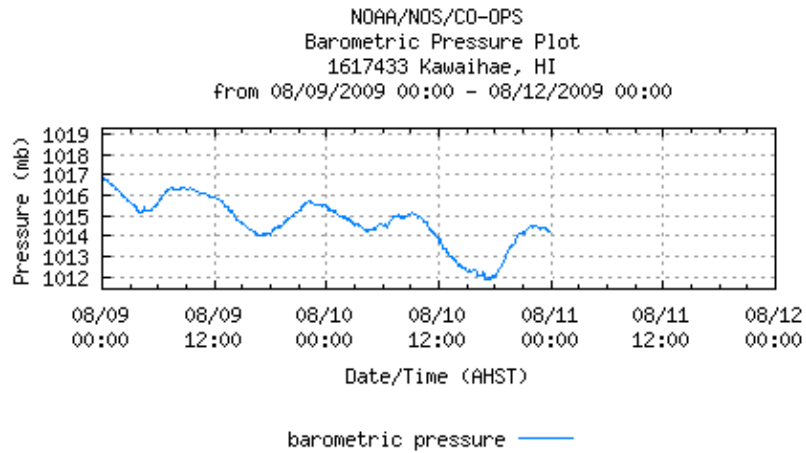
Kawaihae, HI - Station Map [Return to List](#)



speed — gusts — direction +

Last Observed Sample: 08/10/2009 23:48 (AHST)
Wind Speed: 6 knots Gusts: 7 knots Direction: 214° T

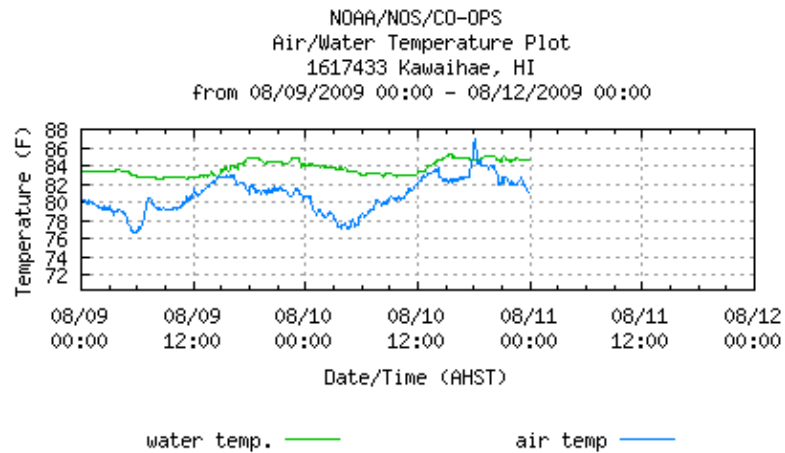
Kawaihae, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Barometric Pressure: 1014.2 mb

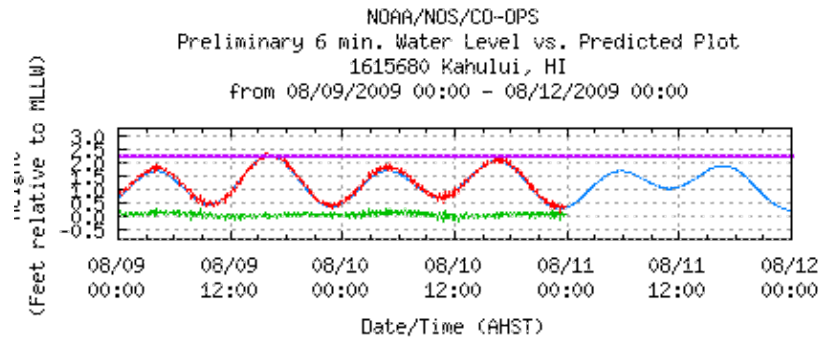
Kawaihae, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Water Temperature: 84.7° F Air Temperature: 81.1° F

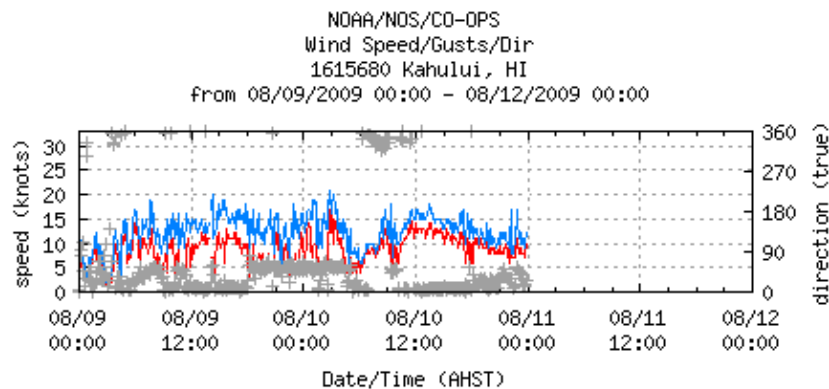
Kahului, HI - Station Map [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

Last Observed Sample: 08/10/2009 23:48 (AHST)
Relative to **MLLW**: **Observed: 0.36 ft. Predicted: 0.30 ft. Residual: 0.06 ft.**
Historical Maximum Water Level: 12/20/1968, 1.23 ft. above **MHHW**

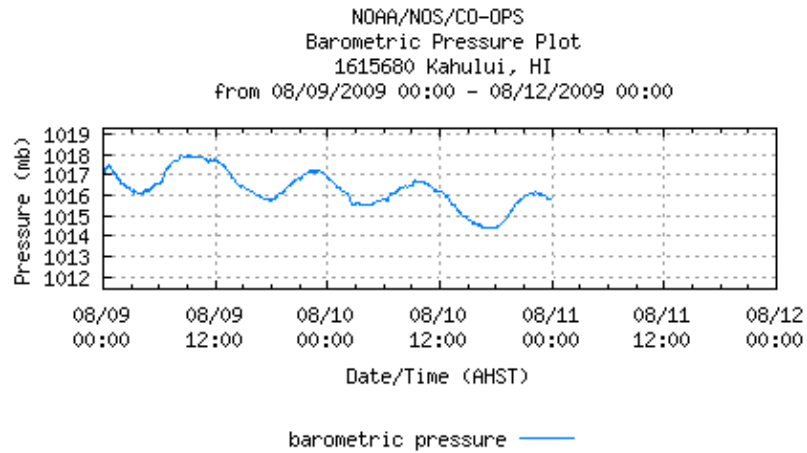
Kahului, HI - Station Map [Return to List](#)



speed ——— gusts ——— direction +

Last Observed Sample: 08/10/2009 23:48 (AHST)
Wind Speed: 10 knots Gusts: 12 knots Direction: 025° T

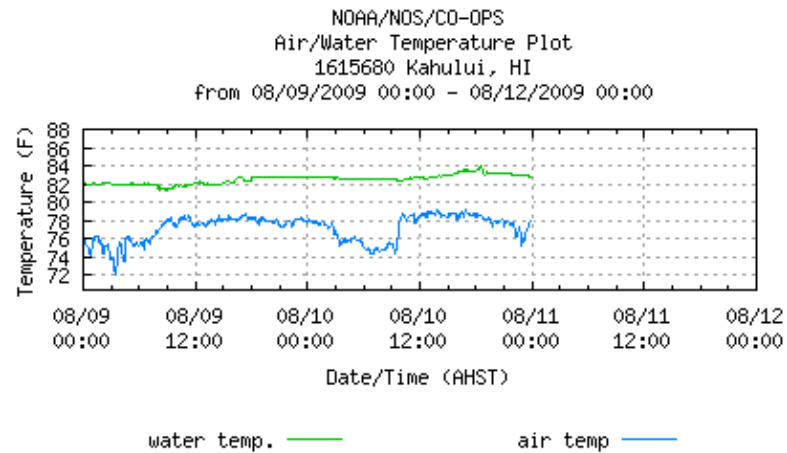
Kahului, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Barometric Pressure: 1015.8 mb

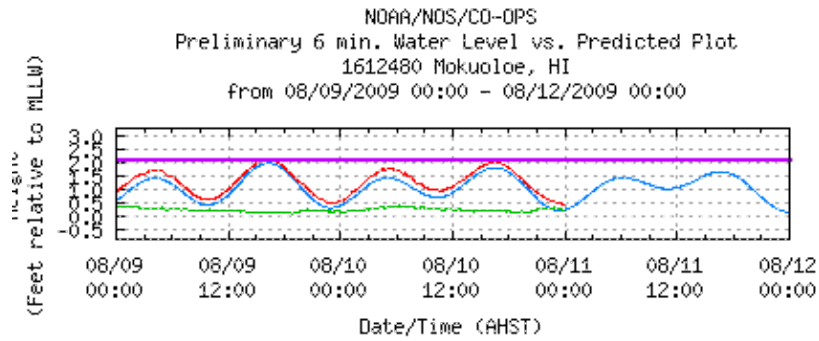
Kahului, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Water Temperature: 82.9° F Air Temperature: 77.9° F

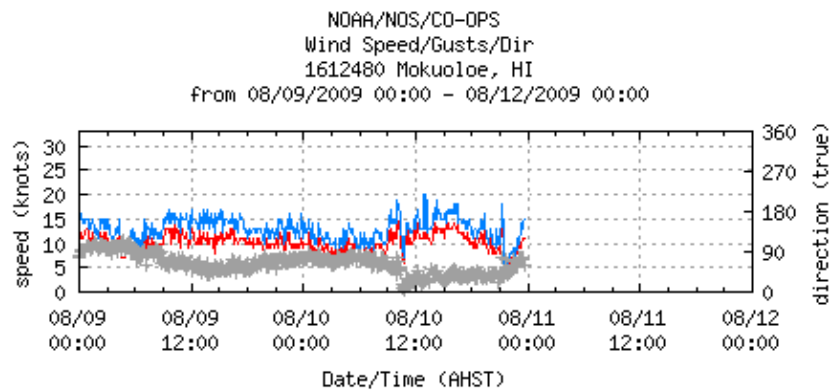
Mokuoloe, HI - Station Map [Return to List](#)



Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/10/2009 23:48 (AHST)
Relative to **MLLW**: **Observed: 0.44 ft. Predicted: 0.22 ft. Residual: 0.22 ft.**
Historical Maximum Water Level: 01/08/1974, 1.46 ft. above **MHHW**

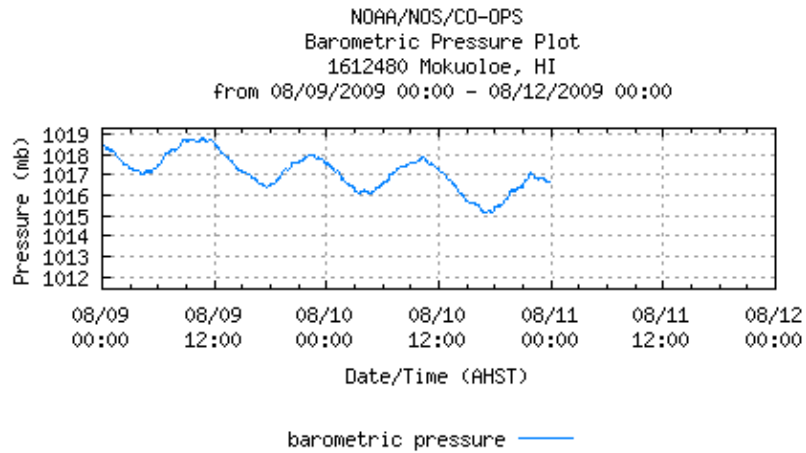
Mokuoloe, HI - Station Map [Return to List](#)



speed — gusts — direction +

Last Observed Sample: 08/10/2009 23:36 (AHST)
Wind Speed: 11 knots Gusts: 15 knots Direction: 060° T

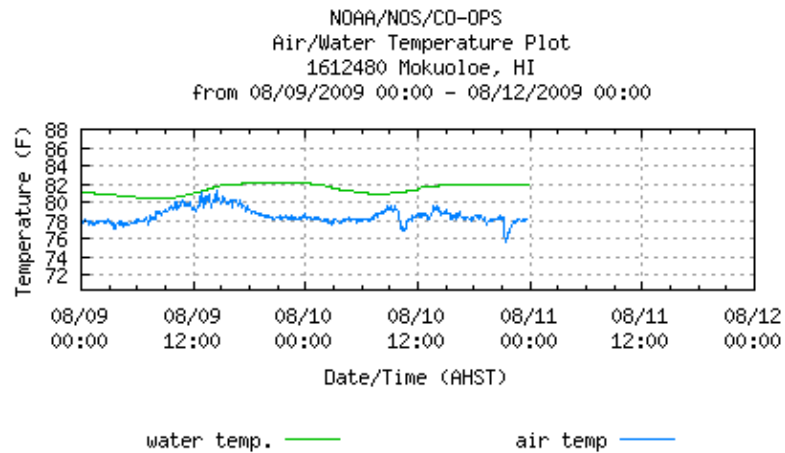
Mokuoloe, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Barometric Pressure: 1016.7 mb

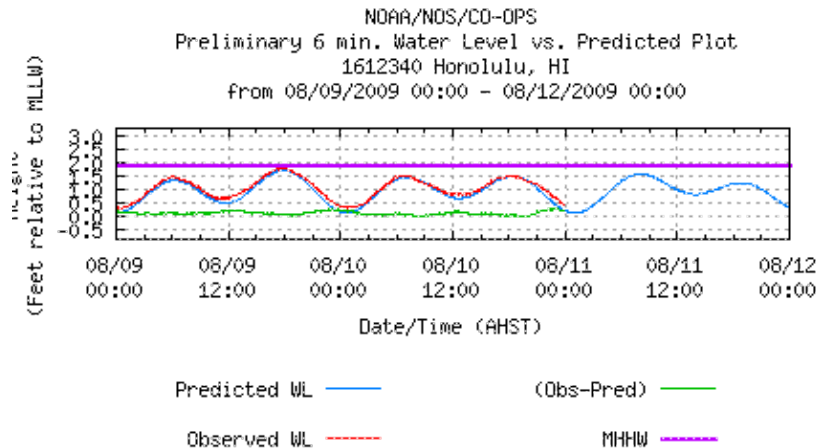
Mokuoloe, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:36 (AHST)

Water Temperature: 81.9° F Air Temperature: 78.1° F

Honolulu, HI - Station Map [Return to List](#)

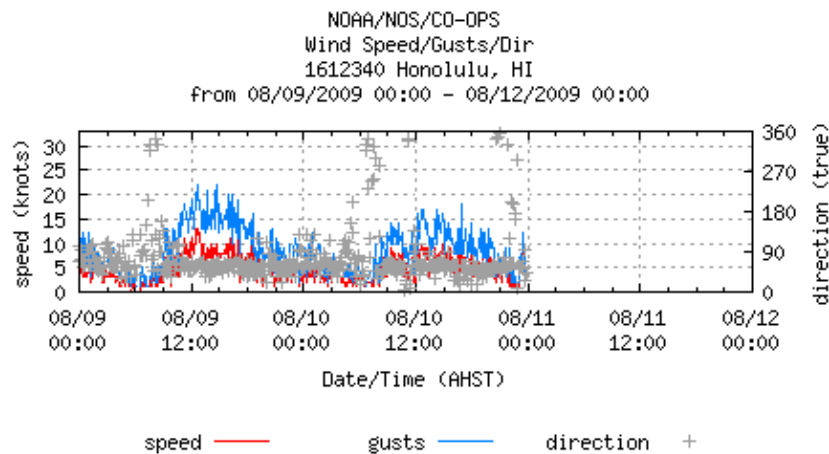


Last Observed Sample: 08/10/2009 23:48 (AHST)

Relative to **MLLW**: **Observed: 0.44 ft. Predicted: 0.23 ft. Residual: 0.21 ft.**

Historical Maximum Water Level: 02/14/1967, 1.49 ft. above **MHHW**

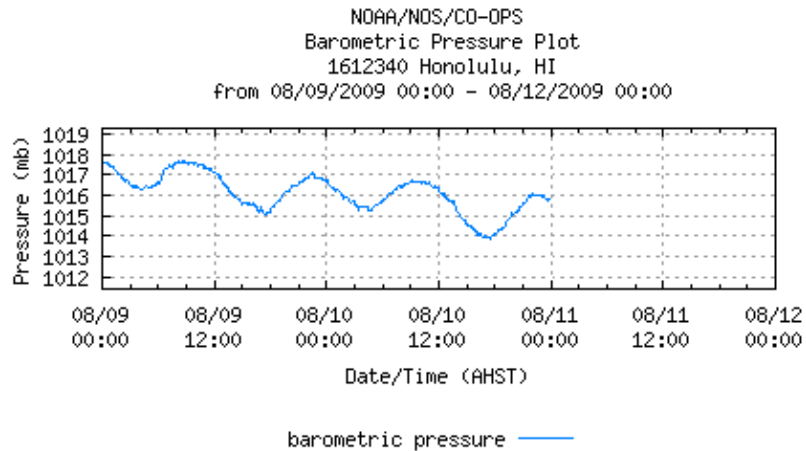
Honolulu, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Wind Speed: 3 knots Gusts: 4 knots Direction: 042° T

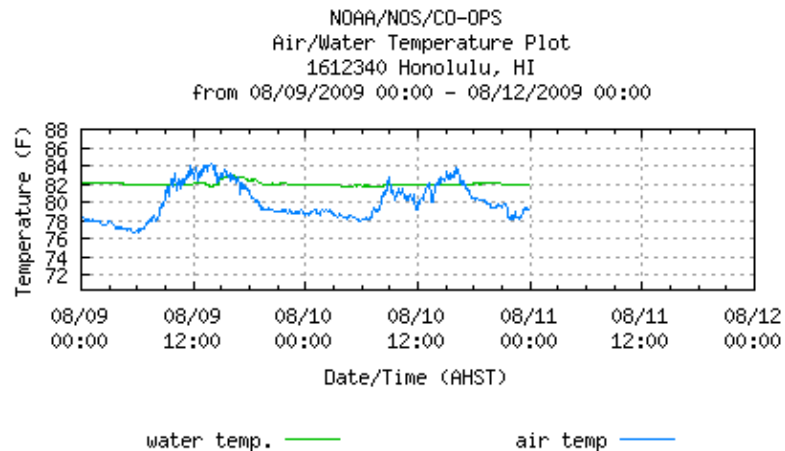
Honolulu, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Barometric Pressure: 1015.8 mb

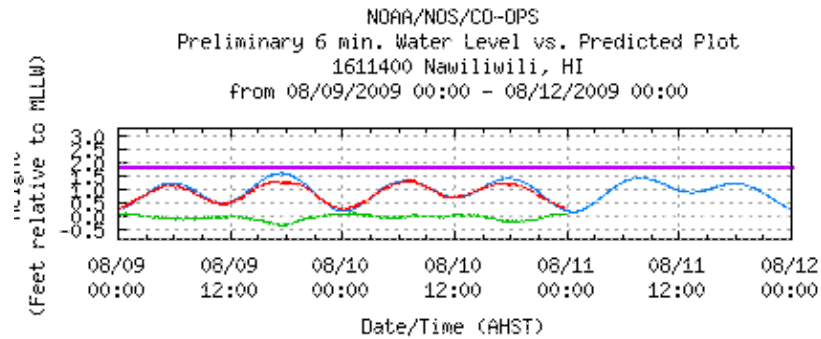
Honolulu, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Water Temperature: 82.0° F Air Temperature: 79.3° F

Nawiliwili, HI - Station Map [Return to List](#)



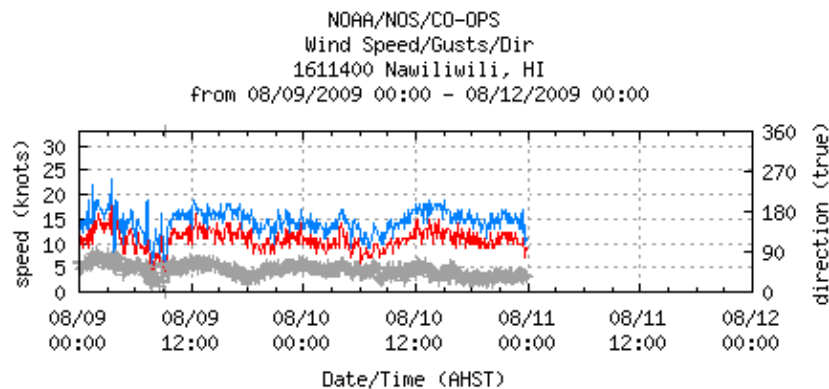
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/10/2009 23:48 (AHST)

Relative to **MLLW**: **Observed: 0.28 ft. Predicted: 0.20 ft. Residual: 0.08 ft.**

Historical Maximum Water Level: 09/11/1992, 3.15 ft. above **MHHW**

Nawiliwili, HI - Station Map [Return to List](#)

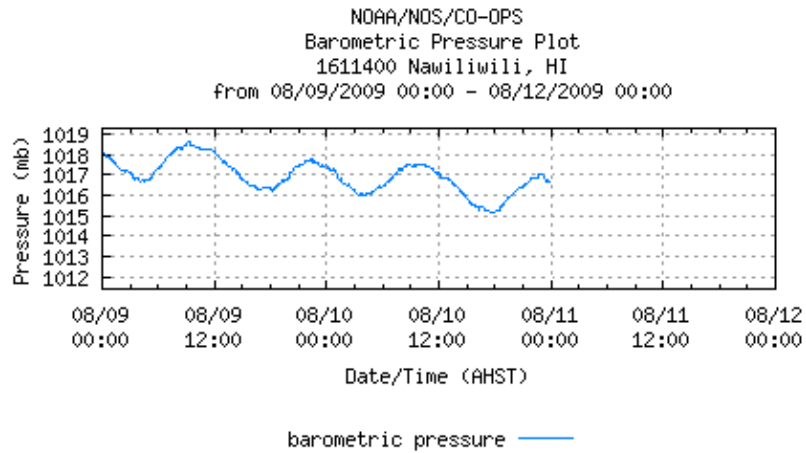


speed — gusts — direction +

Last Observed Sample: 08/10/2009 23:48 (AHST)

Wind Speed: 9 knots Gusts: 11 knots Direction: 036° T

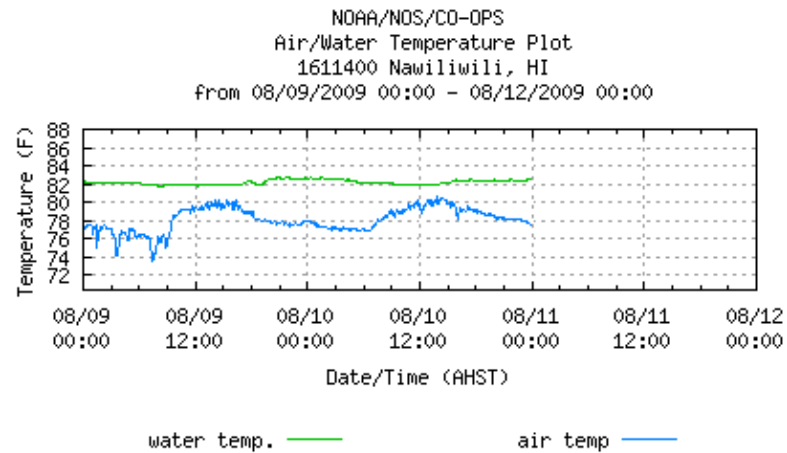
Nawiliwili, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Barometric Pressure: 1016.7 mb

Nawiliwili, HI - Station Map [Return to List](#)



Last Observed Sample: 08/10/2009 23:48 (AHST)

Water Temperature: 82.6° F Air Temperature: 77.5° F

Tropical Storm FELICIA QuickLook, POSTED 00:00 HST 08/11/2009

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce